



Anti-GRK1 (aa 51-150) polyclonal antibody (DPAB-DC2698)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes a member of the guanine nucleotide-binding protein (G protein)-coupled receptor kinase subfamily of the Ser/Thr protein kinase family. The protein phosphorylates rhodopsin and initiates its deactivation. Defects in GRK1 are known to cause Oguchi disease 2 (also known as stationary night blindness Oguchi type-2).
Immunogen	GRK1 (NP_002920.1, 51 a.a. ~ 150 a.a) partial recombinant protein with GST tag. The sequence is RDSLSLEFESVLCLEQPIGKKLFQQFLQSAEKHLPALWLDIEDYDTADNDLQPQKAQTI LAQYLDLPQAKLFCSFLDEGIVAKFKEGPVEIQDGLFQPLL
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name [GRK1 G protein-coupled receptor kinase 1 \[Homo sapiens \(human\) \]](#)

Official Symbol	GRK1
Synonyms	GRK1; G protein-coupled receptor kinase 1; RK; RHOK; GPRK1; rhodopsin kinase;
Entrez Gene ID	6011
Protein Refseq	NP_002920
UniProt ID	Q15835
Chromosome Location	13q34
Pathway	Chemokine signaling pathway; Disease; Endocytosis; Inactivation, recovery and regulation of the phototransduction cascade
Function	ATP binding; G-protein coupled receptor kinase activity; protein kinase activity; rhodopsin kinase activity